

Aberdeen Proving Ground (APG) Science and Technology Board  
Meeting, February 24, 1999

1. The APG Science and Technology board convened at 1:00, February 24, 1999. Mr. Brian Simmons opened the meeting.

2. Attendees at the meeting were:

Mr. Brian Simmons	U.S. Army Test and Evaluation Command (USATECOM)
Mr. Mike Parker	U.S. Army Soldier Biological Chemical Defense Command (USASBCCOM)
Ms. Roni Chenowith	Harford County Council
Mr. Bill Gillich	U.S. Army Research Laboratory
Mr. Fred Powers	University of Maryland U.C.
Ms. Patricia Scott	UMUC at APG
Mr. Bob Infussi	Harford County Economic Development Office
Mr. Steve Kistner	U.S. Army Center for Health Promotion and Preventive Medicine (CHPPM)
Mr. Warren Mullins	Northeastern Maryland Technology Council
Dr. Jim Streilein	U.S. Evaluation Analysis Center
Ms. Eleanor Balsley	Cecil Community College
Dr. Brennie Hackley	U.S. Army Medical Research Institute of Chemical Defense (USAMRICD)
Mr. Jack Roth	U.S. Army Aberdeen Test Center (USAATC)
Mr. Bob Gross	USASBCCOM
Mr. Jeff Highland	USATECOM
Mr. Rick Cozby	USATECOM
Mr. Tim McNamara	GAPG Environmental (USARL)
Ms. Pat McClung	GAPG Public Affairs
Mr. Michael Dette	U.S. Army Environmental Center
Ms. Laura Haug	USATECOM
Mr. Bill Rutherford	Harford County
Ms. Denise Carnaggio	Office of Economic Development
Mr. Stephen Clark	USATECOM

3.

a. Mr. Cozby briefed APBI and TTS, March 15-17, 1999. Tri-folds provided to each attendee.

b. Mr. Infussi provided a marketing and publicity subcommittee report. Staff of four located at HEAT for economic development. Harford Community College is moving in business direction. Beacon labs to get a contract for wet lab. Trying to get center filled with technology-related businesses. Proposing to change name of HEAT Center to increase state funding. Will keep board up on what they are doing. Needs help from board.

c. Mr. Clark provided information supplied by Mr. Rich Dimmick, ARL concerning suggested topics/tours for upcoming NMTC meetings.

d. Mr. Clark provided information on the Value Engineering class upcoming in April 1999.

e. Mr. Clark provided a report on behalf of Harford Community College. The questionnaire for higher education has been circulated for comments. Visit to Eglin AFB/University of Florida is being worked. The long-distance education program proposed by ATC and Drexel University is being worked.

f. Mr. Clark provided an update on the status of the S&T board re-signing ceremony. Briefing included a draft agenda for the day, updates on letter of invitation and pre-ceremony meetings to date, and the fact that the HEAT center facilities (Rooms 130/131) are reserved. Ceremony will parallel the ceremony on Feb 19, 1998. Tours will be offered at the HEAT Center immediately following the ceremony. Demonstrations/Posters/Exhibits/Booths may be set up by activities at the HEAT Center. APG Public Affairs Office will handle press releases, invitations to news media, and advance articles. TECOM will conduct the Technology Briefing for all activities. Material for the Technology Briefing is required by each charter member. Power Point slides, sent via email, is the preferred medium. Maximum amount of coverage on slides on partnerships/ventures is needed, with minimum amount of material on "who" you are. Security reviews, if required, is the responsibility of the activity submitting the material. Correct signature blocks are required for each Commander/Director/Chief signing the charter.

g. Mr. Cozby provided a briefing on the status of the Business Development Office(BDO). The office will serve as a live, continuous adjunct to S&T board. Operated by Garrison, APG is support of all APG tenants as desired: Primary facets-Single APG info/helpdesk, populate and maintain technology-related APG database, update S&T board web-site. The status of the BDO: TECOM allocated 50k seed funding to initiate. Statement of Work in review by

SBCCOM/Battelle. Discussion required on future funding strategy.

4. Mr. Rutherford introduced as interface between APG and Harford County.

5. Mr. McNamara briefed the APG environmental program for soil/ground water re-mediation. Provided several technologies available such as permeable infiltration unit/sand cover, hone bee multi-media environmental monitoring, effluent bio-monitoring using bluegill fish, phytoremediation, natural attenuation, and prototype detonation test and destruction facility (PDTDF)/Ballistic Kevlar and foam. His organization is seeking technologies for areas such as the detection for unexploded ordnance, alternative to groundwater pump and treatment, bio-enhancement of natural attenuation, and educational need to understand natural attenuation. Membership provided handouts of charts.

6. Mr. Roth briefed the Electrical Power Grid Tech Transfer Project. Build hybrid model reflecting deregulated grid. Reliability problems and vulnerability problems to be addressed. Deregulation created a new paradigm. Economics-corporate grid composed of 3000 companies having increased their revenues from \$300-500 billion without increasing infrastructure.

Reliability-use of game playing. Presidential decision directive says infrastructure protection is a major goal. A new model must use test recommended new reliability standards, emergency scenarios. Drexel University is a partner with Pax River.

Real time network analyzer of the power system environment allow rapid analysis if actual emergencies and trade driven Uses block diagrams of standard components that can be arraigned in any configuration desired to simulate any known systems. Use digital controls to provide a flexible model. Can provided newer teal item simulation of events and analysts 12 times faster. Powergrid enables NIPC to assess grid performance in various structural, operational and vulnerability studies.

Determine real time responses by law enforcement. FBI briefed and supports, National Security council supports

7. Mr. Mullins briefed that the NMTC has a \$29k grant from state of MD. Wants to provide a full briefing at the next S&T board meeting. The grant is used to introduce students to the technical workplace. The Web site is up, not fully populated

8. Mr. Gross briefed SBCCOM sponsored NBC symposium. June 21-25 worldwide chemical conference, Independent R&D conference. NDIA Web site is POC. TECOM will post on STB board. (Done) Engineer for a day at SBCCOM to expose students to technology. Happening this week.

9. Ms. Chenowith asked about the student program at ARL. Mr. Clark has action to check and schedule presentation.

10. Mr. Clark solicited membership to volunteer to present technology-related matters at future S&T board meetings. Activities, to include Harford County and local colleges are welcomed, and encouraged, to present.

11. Mr. Gross briefed on the success of the AAMA conference. Continuing need for convention/conference center in conference (noted by Ms. Chenowith). Mr. Simmons also spoke on success of conference.

12. The next meeting of the S&T board is March 25, 1999 at the HEAT center.

]